



## Libby Asbestos Project, Operable Unit 1

### Change / Modification Log

Sheet 1 of \_\_\_\_

Item No.	Drawing No.	Description	Approved Y / N	Date
001	Sht C9	Approval for USACE to direct the installation of the SWPPP and modify the installation as needed without approval of the City of Libby.	Y	Verbal: 9/29/11 Written: 10/4/11
002	Sht C4	Tree removal and relocation of rock detention basin	Y	10/4/2011
003	Sht C4	Correction of Elevation Point 410, Cad Glitch	Y	10/12/2011
004	Sht D2, Detail D	Change to accommodate the storm water sumps which will be installed by the City. The removal contractor will excavate the locations (field determination) for the City's installation according to the City's available materials.	Y	10/12/2011
005	C6A	Relocate the sump from from the ENE, approximately 37' off of the NE Corner of the DTSAR building, in the new roadway to a field determined location, approximately SSW 10'.	Y	10/12/2011
006	Sht D2, Detail B	Change, the road sub-base materials from 6" of 3/4" minus crushed base course over 8" of 3" minus sub-base material, to 10" of 3/4" minus sub-base over at least 8" of 3" minus sub-base material.	Y	10/12/2011
007	Sht D1, Section 3	Parking areas sub-grade materials, the removal contractor will ensure a minimum thickness of 8" of 3/4" minus base course cap over the subgrade material that may be either 8" of 3/4" minus crushed or 3" minus fill sub-base for a total of 18" thickness.	Y	10/12/2011
008	Sht C4	Retain existing trees, large conifers, along the west boundary of Area 1. The trees were not shown on the plans. The parking area along the western perimeter of the site is to be adjusted to accommodate the trees.	Y	10/12/2011
009	n/a	Surveyor's elevation corrections.	Y	10/12/2011
010	n/a	Tree removal, remove cottonwood trees at SW corner of Area 1 due to visibly high vermiculite/tremolite.	Y	10/12/2011
011	Sht(s) C6, C6A & Sht D2, Detail B	Add shoulders at 2 location along new roadway.	Y	10/17/2011
012	Sheet C6A & D1, Section 1	Change from top soil to 3/4" minus crush at rear of DTSAR Building	Y	10/18/2011
013	Sheet C6 & Sheet D2, Detail D	Detention basin/rock trench, change to bundled rock in lieu of rectangular trench	Y	10/21/2011
014	Sheet C4 & Sheet C6D	Elevation corrections, points 580 & 479	Y	10/21/2011
015	Sheet C4	Modification of excavation depths and finish contours due to staked surveyed south property line adjustment vs plans	Y	10/21/2011
016	Sht(s) C-7, D-1, D-3	The Area 2 remediation will be executed as detailed in the Draft Final OU1-Remedial Action Revision 2, dated February 2012	Y	2/28/2012
017	Sheet C-7	Area 2, the toe of the riprap will be extended to include the area below the pump house	Y	3/7/2012

## Change / Modification Log

Sheet 2 of \_\_\_\_

Item No.	Drawing No.	Description	Approved Y / N	Date
018	n/a	Marker barrier was not placed in the parking area of DTSR. The marker barrier will be placed in the area excavated to facilitate the installation of the drainage sump(s)	Y	3/7/2012
019	Sheet C2	Area 2, modify excavation depth to avoid damage to shallow utilities.	Y	4/19-20/2012
020	Sheet C2	Area 2, increase removal and restoration area in the vicinity of the boat ramp	Y	4/19-20/2012
021	Sheet C2	Area 2, east end of Area 2 beyond the Hwy 37 bridge. Due to shallow utilities, perform a shallow scrape, place geo-textile and marker barrier then backfill to match the preexisting grade.	Y	4/19-20/2012
022	Sheet D1 Section 5 (typical)	Area 2, eliminate the placement of a geo-textile barrier under the existing riprap. The existing rip rap will not be moved.	Y	5/7/2012
023	C6	Area 1, modify the area adjacent the southern property line to include a drainage feature, berm/swale.	Y	5/7/2012
024	Sheet D1, Section 4 (typical)	Area 2, exclude common fill on embankments and provide a minimum 6" lift of top soil.	Y	5/7/2012
025	Sheet D1, Detail C	Area 2, Elimination of woody shrubs at the rip rapped revement.	Y	5/7/2012
026	Sheet C5 and D1	Area 2, reduce the limits of the pathway finished with 3/4" crushed rock.	Y	5/7/2012
027	Sheet C5	Area 2, place 1.5" crushed rock at the rear of the river water hydrant pad in lieu of top soil.	Y	5/24/2012
028	Sheet D1, Typical Seed Restoration Section 1	Area 1, modify final top soil lift and complete cap with wood chips.	No, <u>Voided</u>	n/a
029	Sheet D2, Detail D	Detention basin/Rock trench, substitute a 6" lift of 1 1/2" washed rock for 6" of top soil.	Y	5/24/2012
030	Sheet D1, Section 3	Parking area section to have a final lift of 1" minus crushed rock.	Y	5/31 - 6/1/2012
031	Sheet D1, Detail C	due to shallow subsurface utilites along the topof the slope which prohibits further excavtion, the installation of soils and associated erosion control measures is deleted.	Y	6/6 & 7/2012
032	Sheet C3	Relocate the tie in location at the east end of City Services Road and alter road profile and curve camber ("Super").	Y	6/6 & 18/2012
033	Sheet C6	City approved restoration seeding schedule	Y	6/6 & 7/2012
034	Sheet C7	Boat Ramp, eliminate 8 l.f. of articulated concrete mat due to the concrete slab which was poured at the bottom tie in to the existing concrete portion of the ramp to correct the angle of approach.	Y	6/25/2012
035	Sheet C6B	Elimination of two planter areas adjacent the search and rescue building	Y	6/25/2012
036	Sheet C6	Driveway to boat ramps. Eliminate partial circular planter in drive and eliminate abrupt curve in drive.	Y	6/29/2012



## Libby Asbestos Project, Operable Unit 1

### Change / Modification Log

Sheet 3 of \_\_\_\_

037	Sheet C7, Section 1	modify boat ramp tie in to top approach slab The armorFlex mat and the approach slab will be butted. The 1.5" crushed rock fill in the ArmorFlex mat will have 3/4" structural material substituted due to insufficient space to install 1.5" material	Y	6/29/2012
038	Sheet C6C	At the City of Libby's request and the EPA's direction the elevation of the northern end of the parking lot located to the southwest of the Pavillion will be tapered to meet the existing grade.	Y	6/29/2012
039	Sheet C6A	Modify the excavation depth of City Services road adjacent the search and rescue building	Y	6/29/2012
040	Sheet C6A	Enlargement of 2 rock trench drains at the request of the City of Libby	Y	Verbal: 7/17/12 Written:8/14/2012